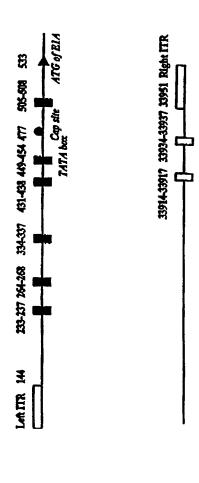
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Figures 1A-1B

| GGGTTGGG GGCGCGGCC 1-80 TO TOATOA CO TCCCGTGG -160 CCGAGGGC GGAAIICCC -240  | POCCACTTC COCACCACAC -320   | TTCCCCCTG AGAGGTCCGC 400   | AACOCCO AGAGTCACTA 480  | AGACTTCAC CTGGACTGGG -560  |
|---|---|--|---|--|
| CATCAITCAAT ALIXINOCOC ACACTITAIT TGCCCCTIIT GIGGCGTGGT GAITGGCGGA GAGGGTGGG GGCGGCGGCC I-80<br>GGTGAITGGT GGAGAGGGGT GIGACGIAGC GIGGGAAGT GAGGTCGCGT GGGAAAATGA GGTG TGATGA CG TCCCGTGG -140<br>GAACGGGTCA AAGTCCAAGG GGAAGGGGTTG GAGCCTGGG GCGTTCTCC GCGGGGCGGG | GCACAGGIGG AGAGIACCGC GGGAILIIGH GCCCTCTGGA CCGGACCTTC GCCCTCCGGT 0 TOGCACTTC CGCACCACAC -320 | STUCGOGGOC COGILATIOCC CACCTOACOA COGTOACACC ACTUACCTOA OCGOOGTOTO CTTOOCOCTO AGAGGTOCOC 400 | GOOGCCGCC COADATGACO TOTOTOGGTO INITITICC CCTCAGTOTA TATAGTOCGC GCAGCGCCCO AGAGTCACTA 480 | CICTIGAGIC COAAGGGAGI AGAGI IIIICI CICAGCGGAA CAGACCCICG ACATGGCGAA CAGACTICAC CIGGACIGGG .500 |
| CATCATCAAT AADA TACCOCC ACACTITA<br>GGTGATTGG T GGAGAGGGGGT GTGACGT<br>GAACGGGGTCA AAGTCCAAGG GGAAAGG   | GCACAGGTGG AQAGTACCCC COCATT  | enceasea assistiac cractor   | GOCOGCCGCC COAGATGACG TOTOTOG   | CICITIGAGIC COAAGGGAGI AGAGEII   |

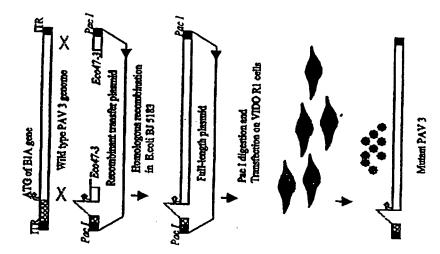
| CCGCCCAGAA GTCCCGGGAAA TTCCCGCCAG CCGCCTCCGC CGCGACCTGC GACTTTGACC CCGCCCTCG 33861-33930 | ACCCCT -34000<br>ATAAA -34070<br>-34094  |
|--|--|
| ACITIGACC COGO   | GACTITICACC GITOOCACGC CACGICA IIT ICCCAGGGGA CGICACGITC CCACGCIACG ICACACCCC -34000 CTCCACCAI CACGCCCGA CACACCCCAAC CCTCCGCCC AATCACCACG CCACAAAGG GGCAATAAAA -34000 GGCAATAAAA -340000 GGCAATAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAA -34000 GGCAATAAAAAA -34000 GGCAATAAAAAA -34000 GGCAAAAAAA -34000 GGCAATAAAAAAA -34000 GGCAATAAAAAAA -34000 GGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA |
| CGCGACCTGC 6   | OELCICALO CO   |
| COGGCICCGC   | בכובובכנפכפי<br>כבובובכנפכבי   |
| ттесевеска   | CACOTCA TIT<br>COCCCCAAC<br>GATG   |
| ОТОСОВОВЛА   | GAC <mark>TITIC</mark> ACC GTTCCCACGC CACGT<br>CTCCACCAT CACGGCGGC GGCC<br>GTGTGCGGTA LA TIATTGAT GATG   |
| CCGCCCAGAA   | CTCCACCAIT<br>CTCCACCAIT   |

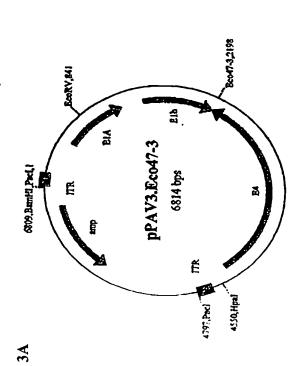
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Figures 2A-2B

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**3B** 

Figures 3A-3B

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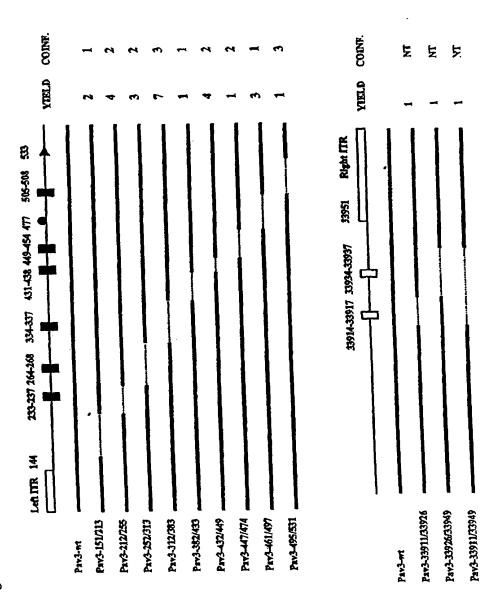
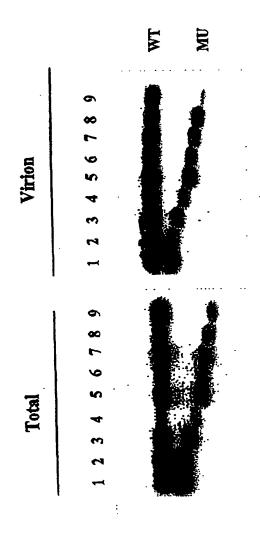


Figure 4



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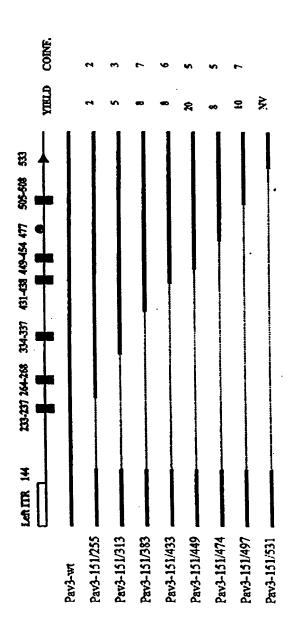
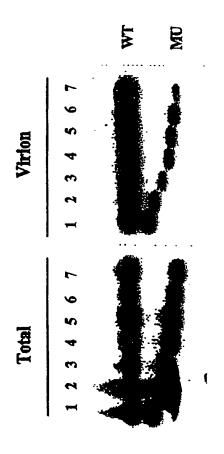


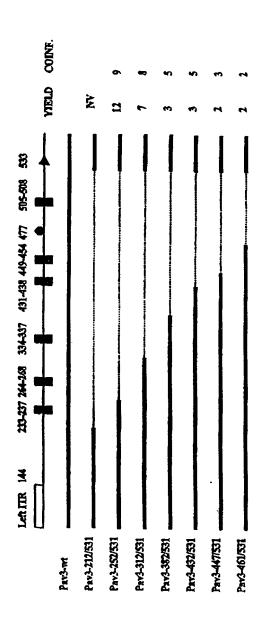
Figure 6

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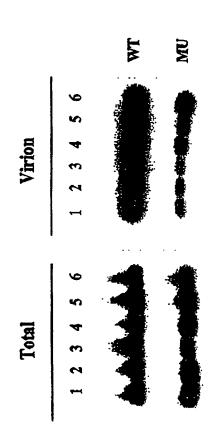


Title: PAV REGIONS FOR ENCAPSIDATION, etc.

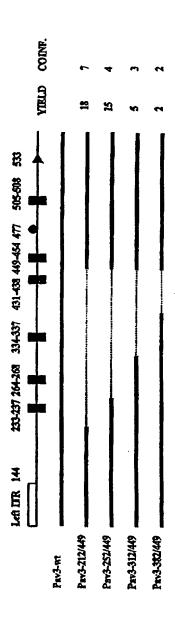
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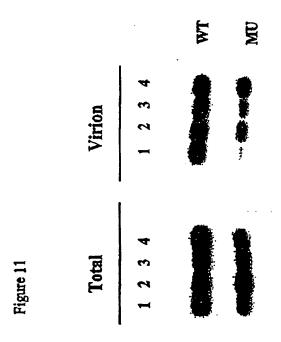
Figure



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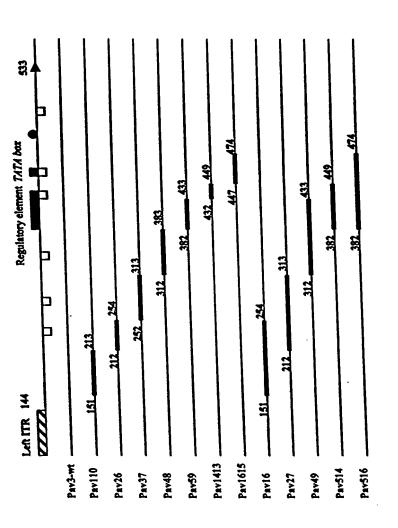
Title: PAV REGIONS FOR ENCAPSIDATION, etc.

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| 233-237            | 990                   | CGG AAATT                | CCCGCACA          |
|--------------------|-----------------------|--------------------------|-------------------|
| 264-268            | 999                   | GGG ATTIT                | GTGCCCTC          |
| 334-337<br>431-438 | 9<br>9<br>9<br>9<br>9 | CGG TAIT<br>GTG TAITITIT | CGG TAIT CCCCACCT |
| 449-454            | GTG                   | GTG TATATA               | GTCCGCGC          |
| 505-508            | GAG                   | GAG TTTT                 | CTCTCAGC          |

Figure 12

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371 OCOGGGTGTCCTTCOCCCTGAGAGGTCCGCGGC GGCCGCC COAGATG ACGTGTGGGGTGT 431 432 ALITITICCCTCA OTOTA TATA OTCCOCOCA ÓCOCCCO A GA OTCATA CTCTTO A OTO

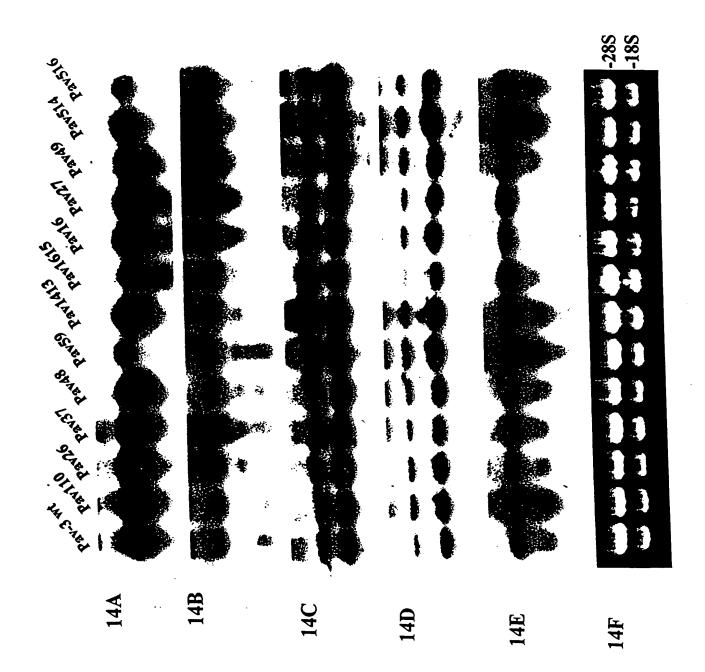
**Figures 13A-13B** 

13A

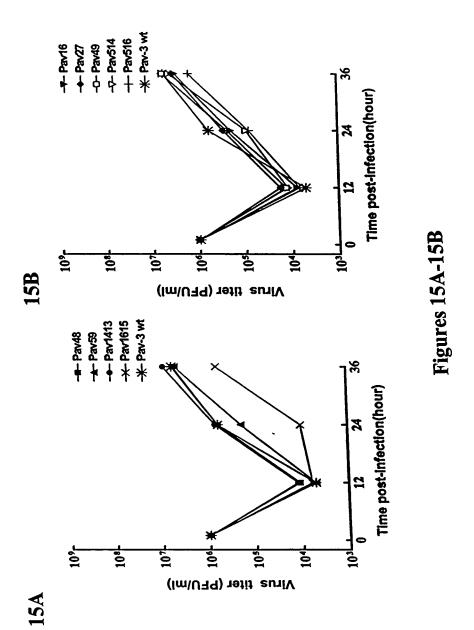
13B

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Figures 14A-14F



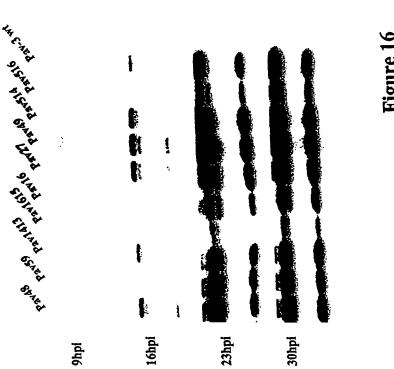
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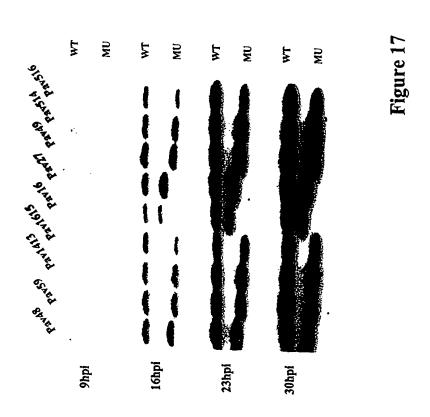
App No.: Not Yet Assigned Inventor: Suresh K. TIKOO

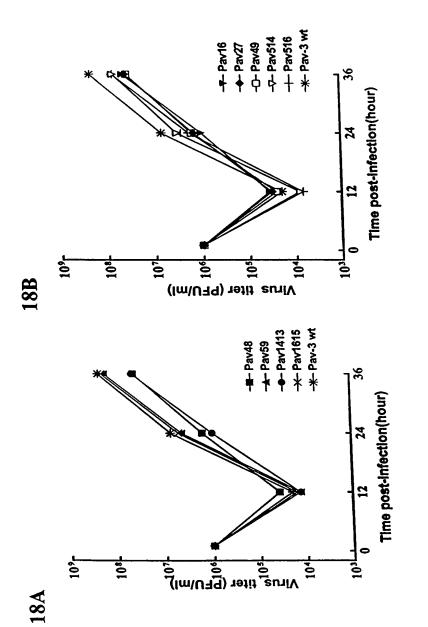
Docket No.: 293102003600
Title: PAV REGIONS FOR ENCAPSIDATION, etc.

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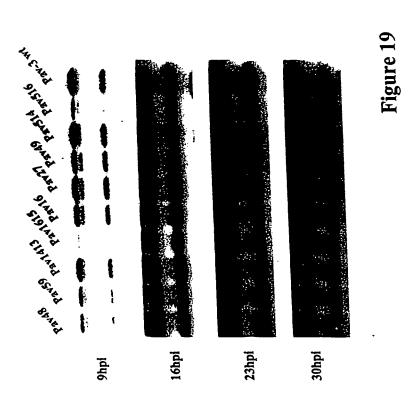
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Figures 18A-18B

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GCGGGGCGGGCCGAGCGGGGAAATTCCCCGCACAGGTGGAGAGTACCGCGGGATTTTGT GCCTCTGGACCGGACCTTCGCCCTCCGGTGTGGCACTTCCGCACCACACGTCCGCGGCC CGGTATICCCCACCTGACGACGGTGACACTCACTTGAGCGGGGTGTCCTTCGCGCTG AGAGGTCCGCGGCGGCCGCCCGAGATGACGTGTGTGGGGTGTATTTTTCCCCCTCAGTGTA TATAGTCCGCGCAGCGCCCGAGAGTCACTACTCTTGAGTCCGAAGGGAGTAGAGTTTTCT H CTCAGCGGAACAGACCCTCG 211 271 331 391 511 451

Figure 20

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Figures 21A(1)-21A(3)

|          | Par3-WT          | I<br>221 OCCOAGCGGAAATICCCGCACAGGTGG                            | YIELD    | YIELD COINE. |
|----------|------------------|---|----------|--------------|
| <u> </u> | Prv3-PML         | GCGGAATICCCGC ACTAGT  | <b>≥</b> |              |
| 21A(1)   | Pav3-PAI         | AAAII —>ACTAGT  | ξ        |              |
|          | Pav3-PL1         | CGGCGG —>ACTAGT   | . 4      | 34           |
|          | Pays-WT          | I<br>215 OCOGOGOAAAIXCCCGCACAGGTGGAGTAOCGCCGCGGAGTITIGIGCCCTC   | YIELD    | COINE.       |
|          | Pays-PMD         | ACTAGT < CGGGATTTGTGC   | 35       | 78           |
|          | Pav3-PA12        | AAATI — ACTAGT  | 42       | 31           |
| 21A(2)   | Pary-PA3         | ACTAGT <  | 30       | <b>7</b> 9   |
|          | Pav3-PL3         | ACTAGT COCGGG   | 20       | 11           |
|          | Pav3-PRI         | CGGCGG —>ACTAGT   | 15       | 12           |
|          | Pav3-FR3         | ACTAGT 	— GRECCC  | 6        | 10           |
|          | 215 (<br>Pay3-WT | I III 215 GCGGGAAATICOCGCGCGGGATITIGIGCCCTC CCCGGTATICOCCACCTGA | YIELD (  | COINE.       |
| 21A(3)   | Pav3-PMS         | ACTAGT < CGGTATXXXCC  | 4        | ο.           |

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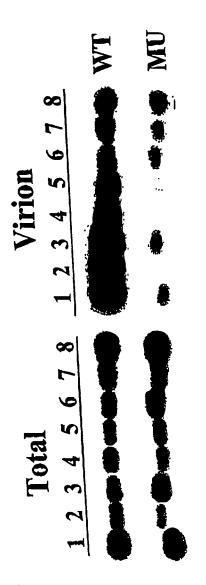
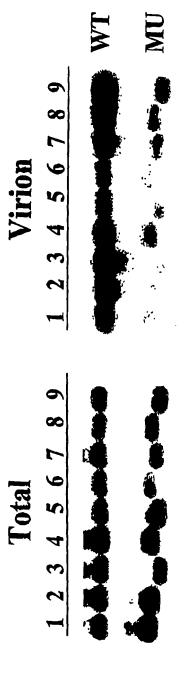


Figure 21B

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| YPELD COINF.   | 24 16                | 30 24                  | 21 19              | 8 10            | 17 12         | 7 6             | 9 1          | 10 7         | 8 6          |
|--|----------------------|------------------------|--------------------|-----------------|---------------|-----------------|--------------|--------------|--------------|
| IV V VI<br>426 GGTG TATH TITCC CCICAGIGTA TATAGICC 501 AGAGITIT CICICA | GTGTATUTTICCC ACTAGT | ACTAGT < GIGTATATAGTOC | ACTAGT CAGITITICIC | ACTAGT < TATATA | ACTAGT < IIII | ACTAGT < TCAGTG | ACTAGÉ TAGAG | ACTAGT CTCGC | ACTAGT CICIC |
| Pay-WT   | Pav3-PNII            | Pav3-PM9               | Pav3-FM112         | Pav3-PA9        | Pay3-PA112    | Pres-PL9        | Pav3-PL11    | Pav3-PR9     | Pav3-PR112   |



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